

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN ACTIVATED HAZARD IDENTIFICATION BEACON (HIB) AT THE MIDDLEBLOCK PEDESTRIAN CROSSING FOR THE SLIGO CREEK TRAIL AT MD 410 IN PRINCE GEORGE'S COUNTY. MD 410 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE HIB WILL ALTERNATELY FLASH YELLOW FOR MD 410 WHEN THE PEDESTRIAN PUSHBUTTON IS ACTIVATED.

CONTACTS

The contact persons for this project are as follows:

Ms. Felecia Murphy (PG)  
Assistant District Engineer - Traffic  
Phone: (301) 513-7404

Mr. Vernon Stinnett  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Victor Grafton  
Utility Engineer  
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Supervisor, Signal Operations  
Phone: 410-787-7650

Mr. Sonny Bailey  
Supervisor, Sign Shop  
Phone: 410-787-7676

Mr. Mike Stocker  
Supervisor, Signal Warehouse  
Phone: 410-787-7668

EQUIPMENT LIST FOR CONTRACT NO. XX3545168R

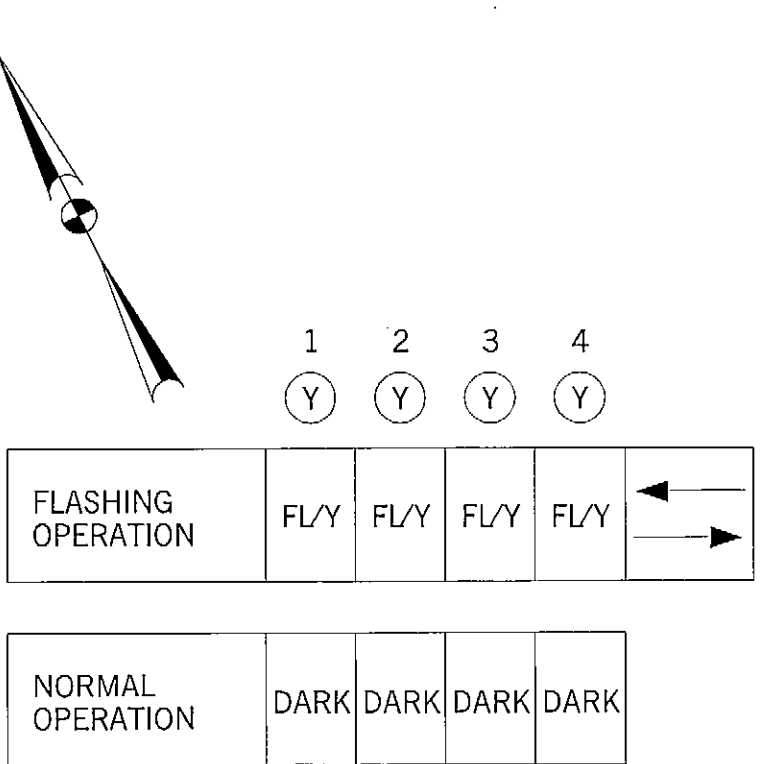
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9042	1	EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
9044	1	EA	[UPDATED] CONTROLLER CABINET, SIZE 6
9570	24	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	2	EA	R10-4 (MOD) (9" X 12")
	2	EA	W11-15 (36" X 36")
	2	EA	W16-9p (24" X 12")
9571	32	SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	2	EA	W 11-15 (48" X 48") MAST ARM MOUNTED

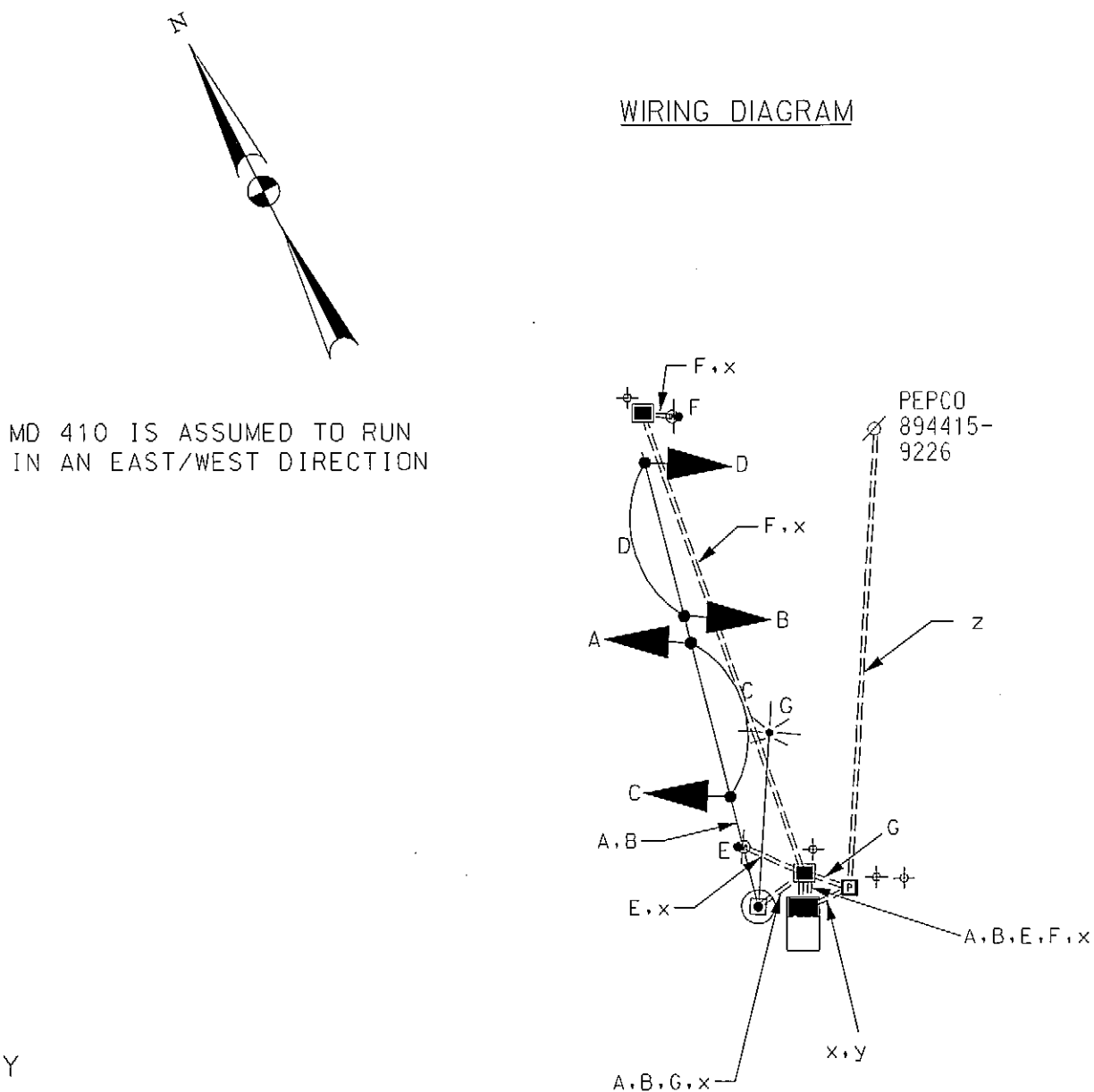
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5003	215	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	215	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
8001	4	EA	12 INCH LED SIGNAL HEAD SECTION
8007	1	EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE WITH PHOTOCELL
8009	2	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8012	1	EA	EMBEDDED METERED SERVICE PEDESTAL
8020	1	EA	MAST ARM POLE & 60' MAST ARM ANY 'T' DIMENSION
8024	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8034	110	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8036	55	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8037	30	LF	WOOD SIGN SUPPORTS UP TO 4' X 6'
8038	56	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	135	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8043	45	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8044	2	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8049	1	EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8051	135	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8053	50	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8054	200	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8055	100	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG TC)
8061	1	EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8062	300	LF	1-CONDUCTOR ELECTRICAL CABLE, NO. 2 AWG/THHN
8063	2	EA	NEG-APPROVED-F&I STANDARD NON-AUDIBLE PEDESTRIAN PUSH BUTTON

PHASE CHART



WIRING DIAGRAM



WIRING KEY

- A.B } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C.D } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E.F } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- G } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG TC)
- x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- y } 3 WIRES, ELECTRICAL CABLE 1 - CONDUCTOR (NO. 8 AWG THHN/THWN)
- z } 3 WIRES, 1 - CONDUCTOR ELECTRICAL CABLE (NO. 2 AWG/THHN)
- + } GROUND ROD

TOD NO: XX354-26  
SHA NO: PG901A58/K58  
MD 208 @ Northwest Branch Trail  
MD 212 @ Sligo Creek Trail  
MD 410 @ Sligo Creek Trail



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 410 AT ENTRANCE TO SLIGO CREEK TRAIL  
HYATTSVILLE, MD

GENERAL INFORMATION PLAN SHEET

SCALE: NTS DATE: 10/2/10 CONTRACT NO: XX3545168R

DESIGNED BY: XM COUNTY: PRINCE GEORGE'S  
DRAWN BY: XM LOGMILE: 16041000.66  
CHECKED BY: JB TMS NO: K182  
F.A.P. NO: TOD NO:

TS NO. 4777 DRAWING: - OF SHEET NO. 2 OF 2



BRUDIS & ASSOCIATES, INC.  
Consulting Engineers  
9240 Rumsey Road, Suite C  
Columbia, Maryland 21045  
Phone: 410-854-3607  
www.brudis.com

PLOTTED: Wednesday, December 15, 2010 AT 04:04 PM  
FILE: P:\05-002 TEDD\Task 33 MD Prince Georges HIB\Drawings\CADD\Working\MD 410 @ Sligo Creek Trail\PG-P000\_MD410@EntrSligoCreekPark.dgn